JUN 30 1982

MCDONNELL DOUGLAS CORPORATION

U.S. DEPARTMENT OF LABOR
WORKPLACE STANDARDS ADMINISTRATION
BUREAU OF LABOR STANDARDS

FORM NO OSHA-20 (MODIFIED)
MAY 1971

MATERIAL SAFETY DATA SHEET

MDC CONTROL NO. _____

DPM 1453

SECTION I: MATERIAL AND MANUFACTURER IDENTIFICATION

MANUFACTURER'S NAME	EMERGENCY TELEPHONE NO.
Amchem Products, Inc.	(215) 628-1230

ADDRESS (NUMBER, STREET, CITY, STATE AND ZIP CODE)
Brookside Avenue; Ambler, PA 19002

CHEMICAL NAME AND SYNONYMS	TRADE NAME AND SYNONYMS
	Alodine 1200

CHEMICAL FAMILY	FORMULA

SECTION II: HAZARDOUS INGREDIENTS*

PAINTS, PRESERVATIVES/SOLVENTS	%	TLV (UNITS)	ALLOYS AND METALLIC COATINGS	%	TLV (UNITS)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					

HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES*	%	TLV (UNITS)
Chromic Acid	25-35	
~~Potassium Ferricyanide~~	15-25	
Sodium Fluoborate	35-45	
~~Potassium Fluozirconate~~	10-15	

SECTION III: PHYSICAL DATA

BOILING POINT (°F)	N/A	SPECIFIC GRAVITY (H_2O = 1)	N/A
VAPOR PRESSURE (mm Hg.)		PERCENT VOLATILE BY VOLUME (%)	
VAPOR DENSITY (AIR = 1)		EVAPORATION RATE (_____ = 1)	
SOLUBILITY IN WATER	Appreciable		

APPEARANCE AND ODOR Dark orange powder; slight acidic odor

SECTION IV: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED)	FLAMMABLE LIMITS	Lel	Uel
None			

EXTINGUISHING MEDIA Water

SPECIAL FIRE FIGHTING PROCEDURES
None

UNUSUAL FIRE AND EXPLOSION HAZARDS Do not allow powder to come in contact with organic materials such as sawdust, rags, paper, etc.

*PLEASE DO NOT USE GENERALIZATIONS, SUCH AS PETROLEUM HYDROCARBONS, ALCOHOL, KETONES. USE SPECIFIC CHEMICAL NAMES, SUCH AS METHANOL, BENZENE, PERCHLOROETHYLENE.

MDC 363(20 SEP 71)

BOE-C6-0203672

SECTION V: HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE

EFFECTS OF OVEREXPOSURE

Will ulcerate mucous membranes if swallowed or inhaled. May irritate and burn eyes or skin if spilled.

EMERGENCY AND FIRST AID PROCEDURES

Ingestion: Drink milk of magnesia, aluminum hydroxide gel, or limewater followed by several glasses of water.

Eyes: Flush immediately with copious amounts of water for at least 15 minutes. Call a doctor.

Skin: Wash with soap and water and rinse thoroughly.

SECTION VI: REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	x	

INCOMPATIBILITY (MATERIALS TO AVOID)

organic materials

HAZARDOUS DECOMPOSITION PRODUCTS

hydrogen fluoride

HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	x	

SECTION VII: SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Transfer unspilled material to a clean polyethylene container. Treat spilled material with dilute solution of sodium metabisulfite to reduce chrome. Adjust pH to 7-8 with lime and flush to treatment plant with plenty of water.

WASTE DISPOSAL METHOD

SECTION VIII: SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (SPECIFY TYPE)

Filter type dust, fume or mist respirator. NIOSH approved

VENTILATION	LOCAL EXHAUST x	SPECIAL
	MECHANICAL (GENERAL)	OTHER

PROTECTIVE GLOVES: Rubber	EYE PROTECTION: Safety goggles and face shields

OTHER PROTECTIVE EQUIPMENT

Rubber aprons

SECTION IX: SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Store in a cool place away from organic material. Keep container closed.

OTHER PRECAUTIONS

Hugh Gehman
PREPARED BY

June 23, 1982
DATE